

KENSINGTON CAPITAL ACQUISITION CORP. IV
1400 Old Country Road, Suite 301
Westbury, NY 11590

February 25, 2022

By EDGAR

Securities and Exchange Commission
Division of Corporation Finance
100 F Street, N.E.
Washington, D.C. 20549
Attention: Ronald E. Alper

Re: Kensington Capital Acquisition Corp. IV (the "Company")
Registration Statement on Form S-1
File No. 333-262266

Ladies and Gentlemen:

Pursuant to Rule 461 under the Securities Act of 1933, as amended, the Company hereby requests acceleration of the effective date of the above referenced Registration Statement to 4:00 p.m., Eastern time, on March 1, 2022, or as soon thereafter as practicable, or at such other time as the Company or its outside counsel, Hughes Hubbard & Reed LLP, request by telephone that such Registration Statement be declared effective.

Please contact Charles A. Samuelson, of Hughes Hubbard & Reed LLP, special counsel to the Company, at (212)837-6454, as soon as the Registration Statement has been declared effective, or if you have any other questions or concerns regarding this matter.

Very truly yours,

KENSINGTON CAPITAL ACQUISITION CORP. IV

By: /s/ Daniel Huber

Name: Daniel Huber

Title: Chief Financial Officer

cc: Hughes Hubbard & Reed LLP
Skadden, Arps, Slate, Meagher & Flom LLP